Pacific Gas and Electric Company®

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

October 24, 2025

TV Tracking #1208 (Semi-Annual)

1. ☐ RECEIVED IN ENFORCEMENT: 10/24/2025

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street
Suite 600
San Francisco, CA 94105
Attn: Title V Reports

Subject: Facility #B8143: Semiannual Monitoring Report (April 1, 2025 – September 30, 2025)

On October 30, 2013, the Bay Area Air Quality Management District (BAAQMD) issued Gateway Generating Station, LLC (GGS) an initial Major Facility Review Permit (Permit) for the operation of a power generating station located in Antioch, California (Gateway Generating Station [GGS]).[1] This permit was subsequently renewed by the BAAQMD on September 3, 2020. Per Permit Condition I.F, GGS is required to evaluate the monitoring requirements in the Permit and report to BAAQMD any instances of non-compliance identified during the evaluation. GGS is required to submit a Semiannual Monitoring Report (SAMR) to the BAAQMD by April 30th for the period of October 1st through March 31st, and by October 30th for the period April 1st through September 30th.

Attachment 1 of this letter serves as the SAMR for the period of April 1, 2025, through September 30, 2025 (reporting period). The format of the SAMR is based on Tables VII-A and VII-B listed in Section VII – *Applicable Limits and Compliance Monitoring Requirements* of the Permit. As shown in Attachment 1 of this letter, GGS has added columns to Tables VII-A and VII-B to document the compliance status of each monitoring requirement during the reporting period.

On September 11, 2025, at 06:49 hours, a steam turbine trip occurred at the facility, prompting an emergency shutdown of both gas turbines. At 06:54, the emergency stop push button was activated for Combustion Turbine A (Source # P11), resulting in a trip of that unit.

[1] Pacific Gas and Electric Company (PG&E) is the parent company to GGS, LLC.

At the time of the trip, P11 was operating at approximately 140 MW in compliance and injecting ammonia into the emissions reduction system at a rate of 60 pounds per hour. The unit was restarted at 08:18, which is considered an unusually short shutdown duration.

Due to the emergency nature of the trip and the brief downtime, the catalyst temperature remained elevated, and residual ammonia was present. Because ammonia injections continued until combustion ceased, the ammonia was not fully consumed and remained on the catalyst surface. In contrast, during a normal shutdown, ammonia flow typically stops about five minutes before flameout, allowing for more complete consumption.

Upon restarting at 08:18, the corrected NOx readings were lower than normal. This was attributed to the flue gas reacting with the residual ammonia on a catalyst that was still near operating temperature. At 08:22, P11 achieved 2 compliance points on corrected NOx and CO and the CEMS software pre-maturely flagged the completion of the startup event, when the startup was still in progress until 09: 11. The succeeding clock hour, 09:00-09:59 was flagged as "normal" when it should have been "startup" instead. (See relevant CEMS report printouts for details. Please note that the hours indicated above are referenced to Pacific Standard time.)

GGS believes that the NOx excess emission reported by the CEMS software was in error because the combustion turbine (Source# S41) was still within the startup hour at the time of the event.

The cause of the steam turbine trip was found to be a failed communication card in the plant Distributed Control System (DCS). The failed card was replaced with a spare the site had on hand. A Return Materials Authorization (RMA) was requested through the Original Equipment Manufacturer (OEM) to send it back for diagnosis to determine the root cause of the failure. The card was shipped to the OEM on 10/7/2025. We were also made aware that a newer revision of this card is available. The newer card is onsite and will be installed during the next planned outage.

The corresponding RCA notification, 10-day, and 30-day follow-up reports were submitted to the BAAQMD and CEC within the prescribed dates. A copy of them is provided in this report as Attachment 2.

GGS determined, through reasonable inquiry, that all required monitoring was performed during the reporting period and after review of the monitoring results, all sources were found to be in-compliance with the monitoring requirements provided in Tables VII-A and VII-B. Copies of all monitoring records are available at GGS.

Based upon the information and belief formed after reasonable inquiry, I, as the responsible official of GGS, certify that the information contained in this SAMR is true, accurate, and complete. If you have any questions or comments about the information presented in this letter, please do not hesitate to call me at (925) 522-7812 or (925) 200-4811.

Sincerely,

PACIFIC GAS AND ELECTRIC COMPANY

Tim Wisdom

Timothy Wisdom
Director, Fossil Generation

Attachment: a/s

cc. John Heiser
Compliance Project Manager
California Energy Commission

ATTACHMENT 1

Semiannual Monitoring Report
Reporting Period: April 1, 2025 – September 30, 2025

Semiannual Monitoring Report

October 30, 2025

Site #: B8143
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Address: 3225 Wilbur Avenue, Antioch CA 94509
Period: April 1, 2025 to September 30, 2025

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-41, S-43 GAS TURBINES
S-42, S-44 HEAT RECOVERY STEAM GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes (Y) or No (N)	Continuous (C) or Intermittent (I)	Days Out of Compliance/ Comments
NO_x	BAAQMD 9-3-303	N	125 ppm	BAAQMD 1-520.1	C	CEM	Y	C	
NO_x	BAAQMD 9-9-301.1.3	Y	9 ppmv @ 15% O2, dry	BAAQMD 9-9-501	C	CEM	Y	C	
NO_x	BAAQMD 9-9-301.2	N	0.15 lb/MW-hr or 5 ppmv	BAAQMD 9-9-501	C	CEM	Y	C	
NO_x	SIP 9-9-301.3	Y	9 ppmv @ 15% O_2, dry	BAAQMD 9-9-501	C	CEM	Y	C	
NO_x	NSPS 40 CFR 60.44Da (a)(1)	Y	0.2 lb/MMBtu	40 CFR 60.48Da(j)	C	CEM and fuel monitoring	Y	C	
NO_x	NSPS 40 CFR 60.44Da (d)(1)	Y	1.6 lb/MW-hr (rolling 24-hr average)	40 CFR 60.48Da(k),	C	CEM and load monitoring	Y	C	
NO_x	NSPS, 40 CFR 60.332 (a)(1)	Y	75 ppmv, @ 15% O_2, dry 4-hr average	40 CFR 60.334(c)	C	CEM	Y	C	
NO_x		Y	None	40 CFR 75.10	C	CEM	Y	C	
NO_x	BAAQMD condition #18138, part 20a	Y	20 lb/hr, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 26b	C	CEM	Y	C	

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NO_x	BAAQMD condition #18138, part 20a	Y	20 lb/hr, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 2025)	
NO_x	BAAQMD condition #18138, part 20a	Y	0.009 lb/MM BTU, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 26b	C	CEM	N	I	9/11/2025, CT-A (Emission source P11 recorded NOx emmission exceedance. A related breakdown relief request was submitted to BAAQMD copied to CEC. See cover letter for details.
NO_x	BAAQMD condition #18138, part 20a	Y	0.009 lb/MM BTU, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 2025)	
NO_x	BAAQMD condition #18138, part 20b	Y	2.5 ppmv, @ 15% O_2, dry, for each turbine and HRSG combined, 1-hr average except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 26b	C	CEM	N	I	9/11/2025, CT-A (Emission source P11 recorded NOx emmission exceedance. A related breakdown relief request was submitted to BAAQMD copied to CEC. See cover letter for details.

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NO_x	BAAQMD condition #18138, part 20b	Y	2.5 ppmv, @ 15% O_2, dry, for each turbine and HRSG combined, 1-hr average except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 2025)	
NO_x	BAAQMD condition #18138, CD-1	Y	2.0 ppmv, @ 15% O_2, dry, for each turbine and HRSG combined, 1-hr average except during turbine startup, and shutdown	BAAQMD condition #18138, part 26b	C	CEM	N	I	9/11/2025, CT-A (Emission source P11 recorded NOx emmission exceedance. A related breakdown relief request was submitted to BAAQMD copied to CEC. See cover letter for details.
NO_x	BAAQMD condition #18138, part 21	Y	189 lb/turbine during start-up	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	
NO_x	BAAQMD condition #18138, part 21	Y	59 lb/turbine during shutdown	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	

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NO_x	BAAQMD condition #18138, part 21	Y	452 lb/turbine during steam turbine cold start-up	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	
NO_x	BAAQMD condition #18138, part 23	Y	1,994 lb/day for turbines and HRSGs combined	BAAQMD condition #18138, part 26	C	CEM	Y	C	
NO_x	BAAQMD condition #18138, part 24	Y	174.3 ton/yr for turbines, HRSGs, and diesel fire pump combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 26	C	CEM	Y	C	
NO_x	BAAQMD condition #18138, CD-3	Y	139.2 ton/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 26	C	CEM	Y	C	
CO	BAAQMD condition #18138, part 20c	Y	29.22 lb/hr, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 26b	C	CEM	Y	C	

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CO	BAAQMD condition #18138, part 20c	Y	29.22 lb/hr, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum and minimum load	Y	C (Source Test performed on Jan 2025)	
CO	BAAQMD condition #18138, part 20c	Y	0.013 lb/MM BTU, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 26b	C	CEM	Y	C	
CO	BAAQMD condition #18138, part 20c	Y	0.013 lb/MM BTU, for each turbine and HRSG combined, except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum and minimum load	Y	C (Source Test performed on Jan 2025)	
CO	BAAQMD condition #18138, part 20d	Y	6 ppmv, @ 15% O_2, dry, for each turbine and HRSG combined, 3-hr average except during turbine startup, shutdown, or steam turbine cold start-up,	BAAQMD condition #18138, part 26b	C	CEM	Y	C	

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CO	BAAQMD condition #18138, part 20d	Y	6 ppmv, @ 15% O_2, dry, for each turbine and HRSG combined, 3-hr average except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum and minimum load	Y	C (Source Test performed on Jan 2025)	
CO	BAAQMD condition #18138, part 21	Y	291 lb/turbine during start-up	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	
CO	BAAQMD condition #18138, part 21	Y	73 lb/turbine during shutdown	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	
CO	BAAQMD condition #18138, part 21	Y	990 lb/turbine during steam turbine cold start-up	BAAQMD condition #18138, part 26	P/D	Records, calculations	Y	C	
CO	BAAQMD condition #18138, part 23b	Y	3,602 lb/day for turbines and HRSGs combined	BAAQMD condition #18138, part 26b	C	CEM	Y	C	

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CO	BAAQMD condition #18138, part 24b	Y	259.1 ton/yr for turbines, HRSGs, and diesel fire pump combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 26b	C	CEM	Y	C	
CO_2		Y	None	40 CFR 75.10	C	fuel flow monitor and CO_2 calculation	Y	C	
SO_2	BAAQMD 9-1-301	Y	GLC of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		N/A	N/A	
SO_2	BAAQMD 9-1-302	Y	300 ppm (dry)		N		N/A	N/A	
SO_2	NSPS 40 CFR 60.43Da (b)(2)		0.2 lb/MM BTU, 24 hr average except during startup, or shutdown		N		N/A	N/A	

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SO_2	NSPS 40 CFR 60.333	Y	0.015% (vol) @15% O_2 (dry) or total sulfur content of fuel less than or equal to 0.8% sulfur by weight (8,000 ppmw)	NSPS 40 CFR 60.334(h)(3) (ii) and BAAQMD Condition 18138, Part 44	P/M	Monthly fuel sulfur analysis	Y	C	
SO_2		Y	None	40 CFR 75.11, 40 CFR 75, Appendix D, part 2.3	P/M	Fuel measure-ments, calculations	Y	C	
SO_2	BAAQMD condition #18138, part 44	Y	Fuel sulfur content of 1 gr/100 scf	BAAQMD condition #18138, part 44	P/M	Fuel testing	Y	C	
SO_2	BAAQMD condition #18138, CD-4	Y	Fuel sulfur content of 1 gr/100 scf	BAAQMD condition #18138, part 44	P/M	Fuel testing	Y	C	
SO_2	BAAQMD condition #18138, part 20g	Y	6.18 lb/hr, for turbine and HRSG combined	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 2025)	

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SO_2	BAAQMD condition #18138, part 20g	Y	0.0028 lb/MM BTU, for turbine and HRSG combined	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 2025)	
SO_2	BAAQMD condition #18138, part 23e	Y	297 lb/day for turbines and HRSGs combined	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
SO_2	BAAQMD condition #18138, part 24e	Y	48.5 ton/yr for turbines, HRSGs, and diesel fire pump combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
SO_2	BAAQMD condition #18138, part CD-3	Y	18.5 ton/yr for turbines and HRSGs combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
Opacity	BAAQMD 6-1-301	N	> Ringelmann No. 1 for no more than 3 minutes in any hour		N		N/A	N/A	
Opacity	SIP 6-301	Y	> Ringelmann No. 1 for no more than 3 minutes in any hour		N		N/A	N/A	

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Opacity	NSPS 40 CFR 60.42Da(b)	Y	20% Opacity (6 min avg.) with one 6 min avg. at less than 27% Opacity	40 CFR 60.49Da(a) (3)[2]	N		N/A	N/A	
FP	BAAQMD 6-1-310	N	0.15 grain/dscf		N		N/A	N/A	
FP	SIP 6-310	Y	0.15 grain/dscf		N		N/A	N/A	
FP	BAAQMD 6-1-310.3	N	0.15 grain/dscf @ 6% O_2		N		N/A	N/A	
FP	SIP 6-310.3	Y	0.15 grain/dscf @ 6% O_2		N		N/A	N/A	
PM	NSPS 40 CFR 60.42Da (a)(1)	Y	0.03 lb/MMBtu of PM		N		N/A	N/A	
PM	NSPS 40 CFR 60.42Da(b)	Y	< 20% opacity, 6 minute average, except one six minute period/hr up to 27% opacity		N		N/A	N/A	

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PM_{10}	BAAQMD condition #18138, part 20h	Y	11.0 lb/hr, for each turbine and HRSG combined (duct burners not in operation) 13.0 lb/hr, for each turbine and HRSG combined (duct burners in operation)	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 2025)	
PM_{10}	BAAQMD condition #18138, part 20h	Y	0.00588 lb/MMBTU, for each turbine and HRSG combined (duct burners not in operation) 0.00584 lb/MMBTU, for each turbine and HRSG combined (duct burners not in operation)	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 2025)	
PM_{10}	BAAQMD condition #18138, part 23d	Y	624 lb/day for turbines and HRSGs combined	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
PM_{10}	BAAQMD condition #18138, part 24d	Y	105 ton/yr for turbines, HRSGs, and diesel fire pump combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	

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POC	BAAQMD condition #18138, part 20f	Y	5.6 lb/hr (as CH4) for each turbine, and HRSG combined except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 2025)	
POC	BAAQMD condition #18138, part 20f	Y	0.0025 lb/MM BTU (as CH4) for each turbine, and HRSG combined except during turbine startup, shutdown, or steam turbine cold start-up	BAAQMD condition #18138, part 30	P/A	Source test at maximum load	Y	C (Source Test performed on Jan 2025)	
POC	BAAQMD condition #18138, part 21	Y	26 lb/turbine during start-up	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
POC	BAAQMD condition #18138, part 21	Y	6 lb/turbine during shutdown	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
POC	BAAQMD condition #18138, part 21	Y	109 lb/turbine during steam turbine cold start-up	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	

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POC	BAAQMD condition #18138, part 23c	Y	468 lb/day (as CH4) for turbines and HRSGs combined	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
POC	BAAQMD condition #18138, part 24c	Y	46.6 ton/yr for turbines, HRSGs, and diesel fire pump combined (includes emissions from commissioning period)	BAAQMD condition #18138, part 27	P/D	Records, calculations	Y	C	
NH_3	BAAQMD condition #18138, Part 20e	N	5 ppmv, @ 15% O_2, dry, averaged over 3 hrs for each turbine and HRSG combined except during turbine startup or shutdown	BAAQMD condition #18138, part 26c, part 29, part AM-1	C	Ammonia injection rate monitor, calculations, and annual source test	Y	C	
Formal-dehyde	BAAQMD condition #18138, part 25.1	N	4,102 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 28	P/D	Records, calculations	Y	C (Source Test performed on Jan 2025)	

Semiannual Monitoring Report

October 30, 2025

Site #: B8143
Site Name: Gateway Generating Station, LLC
Address: 3225 Wilbur Avenue, Antioch CA 94509
Period: April 1, 2025 to September 30, 2025

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-41, S-43 GAS TURBINES
S-42, S-44 HEAT RECOVERY STEAM GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes (Y) or No (N)	Continuous (C) or Intermittent (I)	Days Out of Compliance/ Comments
Formal-dehyde	BAAQMD condition #18138, part 25.1	N	4,102 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 32	P/every two years on P-1 or P-2	Source test	Y	C (Source Test performed on Jan 2025)	
Benzene	BAAQMD condition #18138, part 25.1	N	506 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 28	P/D	Records, calculations	Y	C (Source Test performed on Jan 2025)	
Benzene	BAAQMD condition #18138, part 25.1	N	506 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 32	P/every two years on P-1 or P-2	Source test	Y	C (Source Test performed on Jan 2025)	
Specified PAH's	BAAQMD condition #18138, Part 25.1	N	38 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 28	P/D	Records, calculations	Y	C (Source Test performed on Jan 2025)	

Semiannual Monitoring Report

October 30, 2025

Site #: B8143
Site Name: Gateway Generating Station, LLC
Address: 3225 Wilbur Avenue, Antioch CA 94509
Period: April 1, 2025 to September 30, 2025

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-41, S-43 GAS TURBINES
S-42, S-44 HEAT RECOVERY STEAM GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes (Y) or No (N)	Continuous (C) or Intermittent (I)	Days Out of Compliance/ Comments
Specified PAH's	BAAQMD condition #18138, Part 25.1	N	38 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 32	P/every two years on P-1 or P-2	Source test	Y	C (Source Test performed on Jan 2025)	
Hexane	BAAQMD condition #18138, Part 25.2	N	20,000 lb/yr for turbines and HRSGs combined	BAAQMD condition #18138, part 32	P/every two years on P-1 or P-2	Source test	Y	C (Source Test performed on Jan 2025)	
Heat Input limit	BAAQMD condition #18138, part 14	Y	2,227 MM BTU/hr, 3-hr average for each Turbine and HRSG, total	BAAQMD condition #18138, part 26a	C	Fuel meter, firing monitor, calculations	Y	C	
Heat Input Limit	BAAQMD condition #18138, part 15	Y	49,950 MM BTU/calendar day, for each Turbine and HRSG, total	BAAQMD condition #18138, part 26a	C	fuel meter, firing monitor, calculations	Y	C	

Semiannual Monitoring Report

October 30, 2025

Site #: B8143
Site Name: Gateway Generating Station, LLC
Address: 3225 Wilbur Avenue, Antioch CA 94509
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Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-41, S-43 GAS TURBINES
S-42, S-44 HEAT RECOVERY STEAM GENERATORS

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes (Y) or No (N)	Continuous (C) or Intermittent (I)	Days Out of Compliance/ Comments
Heat Input Limit	BAAQMD condition #18138, part 16	Y	34,900,000 MM BTU/yr for S-41, S-43, Turbines and S-42, S-44, HRSGs combined	BAAQMD condition #18138, part 26a	C	fuel meter, firing monitor, calculations	Y	C	

Semiannual Monitoring Report

October 30, 2025

Site #: B8143
Site Name: Gateway Generating Station, LLC
Address: 3225 Wilbur Avenue, Antioch CA 94509
Period: April 1, 2025 to September 30, 2025

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-47, FIRE PUMP DIESEL ENGINE

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes (Y) or No (N)	Continuous (C) or Intermittent (I)	Days Out of Compliance/ Comments
Opacity	BAAQMD 6-1-303.1	N	> Ringelmann No. 2 for no more than 3 minutes in any hour		N		N/A	N/A	
Opacity	SIP Regulation 6-303.1	Y	Ringelmann 2.0 for 3 minutes in any hour		N		N/A	N/A	
FP	BAAQMD 6-1-310	N	0.15 grain/dscf		N		N/A	N/A	
FP	SIP Regulation 6-310	Y	0.15 gr/dscf		N		N/A	N/A	
SO_2	BAAQMD 9-1-301	Y	Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤0.05 ppm for 24 hours	None	N	N/A	N/A	N/A	
SO_2	BAAQMD 9-1-304	Y	Fuel Sulfur Limit 0.5%	BAAQMD Condition # 19498, Parts 5 and 8	P/E	Vendor Certification	Y	C	
Reliability Related Hours	BAAQMD 9-8-330	N	100 hours until 1/1/12 50 hours after 1/1/12	9-8-502	P/E	Totalizing meter, record keeping	Y	C	

Semiannual Monitoring Report

October 30, 2025

Site #: B8143
Site Name: Gateway Generating Station, LLC
Address: 3225 Wilbur Avenue, Antioch CA 94509
Period: April 1, 2025 to September 30, 2025

Table VII – B
Applicable Limits and Compliance Monitoring Requirements
S-47, FIRE PUMP DIESEL ENGINE

Type of Limit	Citation of Limit	FE Y/N	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes (Y) or No (N)	Continuous (C) or Intermittent (I)	Days Out of Compliance/ Comments
Hours for maintenance and testing	Title 17, California Code of Regulations section 93115.6(a) (4)	N	Not operate more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 – "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 2002 edition	93115.10(d)	P/E	Totalizing meter, record keeping	Y	C	
Reliability-related activities	BAAQMD Condition #25057, part 1	N	50 hours per calendar year	BAAQMD Condition #25057, part 3, 4	P/E	Totalizing meter, record-keeping	Y	C	

ATTACHMENT 2

30-Day, 10-Day and Notification Form on Reportable Compliance Activity (RCA) #201909 and #201932 NOx Emission

Pacific Gas and Electric Company®

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

October 7, 2025

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn: Title V Reports

Subject: Facility #B8143: 30-Day Report on RCA #201909 and RCA #201932

Dear Sir/Madam,

In compliance with the Bay Area Air Quality Management District Permit (BAAQMD) Condition 18138 Part 35 and Section I.F of the Title V (Major Facility Review) Permit, the PG&E Gateway Generating Station (GGS) is submitting this 30-Day Deviation Report on Reportable Compliance Activity (RCA) with Reference numbers #201909 (Breakdown Relief Request) and #201932 (Monitor Excess Emission). Also attached are copies of the RCA submitted on September 12, 2025, with revision submitted on September 18, 2025, and 10-day Deviation Report submitted on September 19, 2025.

Gateway investigated the event and hereby reports the results as follows.

On September 11, 2025, at 06:49 hours, a steam turbine trip occurred at the facility, prompting an emergency shutdown of both gas turbines. At 06:54, the emergency stop push button was activated for Combustion Turbine A (Source # P11), resulting in a trip of that unit.

At the time of the trip, P11 was operating at approximately 140 MW in compliance and injecting ammonia into the emissions reduction system at a rate of 60 pounds per hour. The unit was restarted at 08:18, which is considered an unusually short shutdown duration.

Due to the emergency nature of the trip and the brief downtime, the catalyst temperature remained elevated, and residual ammonia was present. Because ammonia injections continued until combustion ceased, the ammonia was not fully consumed and remained on the catalyst surface. In contrast, during a normal shutdown, ammonia flow typically stops about five minutes before flameout, allowing for more complete consumption.

Upon restarting at 08:18, the corrected NOx readings were lower than normal. This was attributed to the flue gas reacting with the residual ammonia on a catalyst that was still near operating temperature. At 08:22, P11 achieved 2 compliance points on corrected NOx and CO and the CEMS

software pre-maturely flagged the completion of the startup event, when the startup was still in progress until 09:11. The succeeding clock hour, 09:00-09:59 was flagged as "normal" when it should had been "startup". (See relevant CEMS report printouts for details. Please note that the hours indicated above are referenced to Pacific Standard time.)

GGS believes that the NOx excess emission reported by the CEMS software was in error because the combustion turbine (Source # S41) was still within the startup hour at the time of the event.

The cause of the steam turbine trip was found to be a failed communication card in the plant Distributed Control System (DCS). The failed card was replaced with a spare the site had on-hand. A Return Materials Authorization (RMA) was requested through the Original Equipment Manufacturer (OEM) to send it back for diagnosis to determine the root cause of the failure. The card was shipped to the OEM on 10/7/2025. We were also made aware that a newer revision of this card is available. The newer card is onsite and will be installed during the next planned outage.

This 30-Day report is also being copied to the Compliance Project Manager of the California Energy Commission (CEC).

If you have any questions regarding this submittal, please feel free to reach out to me or Angel Espiritu at 510-861-1597, abe4@pge.com

Aman Prakash Singh
Senior Plant Manager

Enclosure: a/s

Pacific Gas and Electric Company®

Mailing Address:
Pacific Gas & Electric Company
Gateway Generating Station
3225 Wilbur Ave.
Antioch, CA 94509
(925) 522-7801

September 19, 2025

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn: Title V Reports

Subject: Facility #B8143: 10-Day Report on RCA #201909 and RCA #201932

Dear Sir/Madam,

In compliance with the Bay Area Air Quality Management District Permit (BAAQMD) Condition 18143 Part 35 and Section I.F of the Title V (Major Facility Review) Permit, the PG&E Gateway Generating Station (GGS) is submitting this 10-Day Deviation Report on Reportable Compliance Activity (RCA) with Reference numbers #201909 (Breakdown Relief Request and #201932 (Monitor Excess Emission). Also attached is a copy of the RCA submitted on September 12, 2025, with revision submitted on September 18, 2025.

Below is the description of the event.

On September 11, 2025, at 06:49 hours, a steam turbine trip occurred at the facility, prompting an emergency shutdown of both gas turbines. At 06:54, the emergency stop push button was activated for Combustion Turbine A (Source # P11), resulting in a trip of that unit.

At the time of the trip, P11 was operating at approximately 140 MW in compliance and injecting ammonia into the emissions reduction system at a rate of 60 pounds per hour. The unit was restarted at 08:18, which is considered an unusually short shutdown duration.

Due to the emergency nature of the trip and the brief downtime, the catalyst temperature remained elevated, and residual ammonia was present. Because ammonia injections continued until combustion ceased, the ammonia was not fully consumed and remained on the catalyst surface. In contrast, during a normal fired shutdown, ammonia flow typically stops about five minutes before flameout, allowing for more complete consumption.

Upon restarting at 08:18, the corrected NOx readings were lower than normal. This was attributed to the flue gas reacting with the residual ammonia on a catalyst that was still near operating temperature. At 08:22, P11 achieved 2 compliance points on corrected NOx and CO and the CEMS software pre-maturely flagged the completion of the startup event, when the startup was still in

progress until 09:11. The succeeding clock hour, 09:00-09:59 was flagged as “normal” when it should had been “startup”. (See relevant CEMS report printouts for details. Please note that the hours indicated above are referenced to Pacific Standard time.)

The GGS believes that the NOx excess emission reported by the CEMS software was in error because the combustion turbine (Source # S41) was still within the startup hour at the time of the event.

This 10-Day report is also being copied to the Compliance Project Manager of the California Energy Commission (CEC).

If you have any questions regarding this submittal, please feel free to reach out to me or Angel Espiritu at 510-861-1597, abe4@pge.com

Aman P. Singh

Aman Prakash Singh
Senior Plant Manager

Enclosure: a/s

BAAQMD Title V Permit

10 Day Deviation Notification

Section I: Facility Information

Facility Name: PG&E Gateway Generating Station Facility ID: 18143

Address: 3225 Wilbur Avenue

City: Antioch State: CA Zip Code: 94509

Mailing Address: 3225 Wilbur Avenue

City: Antioch State: CA Zip Code: 94509

Name, title and phone number of person to contact for further information:

Angel B. Espiritu (*Contact*) Environmenal Compliance (*Title*) 510-861-1597 (*Phone*)

Section II: Event Information

Incident Occurred on: 09/11/2025 at 09:00 AM

Incident Discovered on: 09/11/2025 at

Incident Has Stopped? ☐ on 09/11/2025 at 09:59 AM

Total Duration: Days: Hours: 1 hour

Event Description: (See attached Event Description)

The facility believes that the NOx excess emission reported by the CEMS software was in error, because the combustion turbine (S41)was still within the startup hour at the time.

The incident may have resulted in a:

Deviation from Permit Conditions(s): PTO Part 20 (a) and (b)

Deviation from BAAQMD Rules(s):

Other deviations (CFR, CARB, etc.) :

Source (S#): S41

Source (S#):

Abatement Device (A#):

Emission Point (#P): P11

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

COMPLIANCE & ENFORCEMENT DIVISION

Notification Form

Reportable Compliance Activity (RCA)

See back of form for instructions →

1. [X] **BREAKDOWN RELIEF: *District Use Only* BREAKDOWN REFERENCE #:**

2. [X] **MONITOR EXCESS EMISSION or EXCURSION: *District Use Only* REFERENCE #:**

3. [ ] **MONITOR IS INOPERATIVE: *District Use Only* REFERENCE #:**

4. [ ] **PRESSURE RELIEF DEVICE (PRD): *District Use Only* PRD REFERENCE #:**

SITE INFORMATION AND DESCRIPTION INFORMATION (REQUIRED)			
Company	PG&E Gateway Generating Station	Site #	18143
Address	3225 Wilbur Avenue, Antioch, CA 94509	Source #	P-11
Reported by	Aman Prakash Singh	Phone #	925-503-7015
Indicated Excess	NOx-1 Hr	Fax #	
Allowable Limit	2.5 ppm (PTO), 2.0 (Consent Decree)	Averaging Time	1-Hour
Start Time/Date	09:00 AM -09:59 AM / 09-11-2025	Clear Time	(See Description below)
Monitor/device type(s)	[X] ▶CEM [ ] ▶GLM [ ] ▶Parametric [ ] ▶PRD [ ] ▶Non-monitor		
Monitor description(s)			

Parameter(s) exceeded or not functioning due to inoperation

[X] ▶NO_x [ ] ▶SO_2 [ ] ▶CO [ ] ▶CO_2 [ ] ▶H_2S [ ] ▶TRS [ ] ▶NH_3
[ ] ▶O_2 [ ] ▶H_2O [ ] ▶Opacity [ ] ▶Lead [ ] ▶Gauge Pressure [ ] ▶Flow
[ ] ▶Hydrocarbon Breakthrough (VOC) [ ] ▶Temperature [ ] ▶Wind Speed
[ ] ▶Wind Direction [ ] ▶Steam [ ] ▶Other (describe)

Unit(s) of Measurement

[X] ▶ppm [ ] ▶ppb [ ] ▶min/hr > 20% [ ] ▶inches H_2O [ ] ▶mmHg
[ ] ▶psig [ ] ▶pH [ ] ▶^{0}Fahrenheit [ ] ▶Other (describe)

Event Description:

On September 11, 2025, at 06:49 hours, a steam turbine trip occurred at the facility, prompting an emergency shutdown of both gas turbines. At 06:54, the emergency stop push button was activated for Combustion Turbine A (Source # P11), resulting in a trip of that unit.

At the time of the trip, P11 was operating at approximately 140 MW in compliance and injecting ammonia into the emissions reduction system at a rate of 60 pounds per hour. The unit was restarted at 08:18, which is considered an unusually short shutdown duration. (Continued on the attached Event Description)

District Use Only		
Received by	Date	Time

General Instructions

- ✓ Check the Box numbers 1- 4 that apply to the RCA you are trying to report or request and read the detailed instructions.
- ✓ You will receive an ID # for each RCA you submit. In the case of a request for Breakdown Relief where multiple monitors are affected, you do not need to submit multiple forms, as long as all necessary information is given on one form. RCA reported during other than core business hours will be assigned an ID # the following working day. If you do not receive an ID #, it is your responsibility to contact the BAAQMD to get one.
- ✓ You may submit only one request for breakdown relief per form. However, you may submit multiple indicated excess, inoperative monitors and PRD reports on one form, provided that the start and end times given for the events in the required information section is inclusive of all events. Information on parameters exceeded, units of measurement and allowable limits can be provided in the event description box or when contacted by District staff with questions.
- ✓ Fill out the "Site Information and Description Information Required" areas of this form and email to *rca@baaqmd.gov*
- ✓ **A 30-day written follow-up report is required for Breakdown Requests and PRD Releases**. Reports for these types of RCA must contain a quantification of emissions, the calculations used to derive the emissions, and their duration. Reference Breakdown Admissions Advisory dated 12/3/04. Send 30-day report letters to: BAAQMD Compliance and Enforcement Division, MAILSTOP: RCA 30-DAY REPORT, 375 Beale Street, Ste. 600 San Francisco, CA 94105. NOTE: **You may have additional report requirements under Title V.**

Detailed Instructions

Box 1: To Request Breakdown Relief (Regulations 1-112, 1-113, 1-208, 1-431, 1-432)

If you have an equipment malfunction (e.g.; breakdown) that leads to the release of air pollutants above the regulatory or your permitted levels, you may request relief from BAAQMD enforcement action.

- Check Box #1.
- **NOTE:** Start and end times given for these events in the required information section must be inclusive of all events.
- Fill out all the information in the "Site Information and Description Information (Required)" area of the form.
- Requests for breakdown relief may not be withdrawn and must be called in or faxed to the BAAQMD immediately upon discovery of an equipment malfunction.
- Receipt of an RCA ID# for a breakdown does not mean relief has been granted. An Inspector will visit your facility to determine compliance.

Box 2: Monitor Indicates Excess Emission or Excursion (Regulation 1-522.7, 1-523.3, 1-542)

When a BAAQMD-required monitor indicates an excess or excursion, you must report it to the BAAQMD.

- Check Box #2.
- Fill out all the information in the "Site Information and Description Information (Required)" area of the form.
- Any excess emission indicated by a CEM or excursion of a parametric monitor, shall be reported to the BAAQMD within 96 hours.
- Area concentration excesses over the limits prescribed in District regulations shall be reported to the BAAQMD within the next normal working day following the examination of data.

Box 3: Monitor Is Inoperative (Regulations 1-522, 1-523, 1-530)

When a BAAQMD-required monitor is inoperative for greater than 24 hours, you must report it to the BAAQMD.

- Check Box #3 only if inoperative for greater than 24 hours.
- Fill out all the information in the "Site Information and Description Information (Required)" area of the form.
- All reports of inoperative monitors must be reported by the following BAAQMD working day and additionally be cleared by a notification of resumption of monitoring. To notify the BAAQMD regarding the resumption of monitoring, do not send in a separate RCA form; call (415) 749-4979 and give the RCA ID #, date, and the time of resumption.
- Inoperative monitors (except parametric monitors) with downtime greater than 15 days must furnish proof of expedited repair in a follow-up report.

Box 4: Pressure Relief Device (PRD) Is Released (Regulation 8-28-401)

When a PRD at your refinery/chemical plant vents to the atmosphere, you must report it to the BAAQMD.

- Check Box #4 only if a pressure relief device is released.
- Separate RCA ID #'s can be applied to monitor(s) affected by a PRD by also checking Box #2 if other monitors record an excess or excursion.
- Fill out all the information in the "Site Information and Description Information (Required)" area of the form.
- All PRD release reports must be reported by the following BAAQMD working day.

RCA (09/11/2025) Event Description:

On September 11, 2025, at 06:49 hours, a steam turbine trip occurred at the facility, prompting an emergency shutdown of both gas turbines. At 06:54, the emergency stop push button was activated for Combustion Turbine A (Source # P11), resulting in a trip of that unit.

At the time of the trip, P11 was operating at approximately 140 MW in compliance and injecting ammonia into the emissions reduction system at a rate of 60 pounds per hour. The unit was restarted at 08:18, which is considered an unusually short shutdown duration.

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Upon restart at 08:18, the corrected NOx readings were lower than normal. This was attributed to the flue gas reacting with the residual ammonia on a catalyst that was still near operating temperature. At 08:22, P11 achieved 2 compliance points on corrected NOx and CO and the CEMS software pre-maturely flagged the completion of the startup event, when the startup was still in progress until 09:11. The succeeding clock hour, 09:00-09:59 was flagged as “normal” when it should had been “startup”. (See relevant CEMS report printouts for details. Please note that the hours indicated above are referenced to Pacific Standard time.)

Aman P. Singh

Unit P11 Excess Emissions Summary

Gateway Generating Facility

Excess Emissions for 9/9/2025 thru 9/11/2025: NOx ppm @15% O2 1-Hr

Reason	Duration
Not specified	1 hour

Source operating time	71 hours
Duration of NOx ppm @15% O2 1-Hr excess emissions	1 hour
Source operating time with excess emissions	1.4%

Unit P11 Excess Emissions

Gateway Generating Facility

Excess Emissions for 9/9/2025 thru 9/11/2025: NOx ppm @15% O2 1-Hr

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
NOx ppm @15% O2 1-Hr	9/11/2025 9:00 AM	9:59 AM	1 hour	2.6	2.6	2.6	2.0	*Not specified*	
Total duration			1 hour						

Unit P11 Excess Emissions Summary

Gateway Generating Facility

Excess Emissions for 9/9/2025 thru 9/11/2025: NOx lb/mmBtu 1-Hr

Reason	Duration
Not specified	1 hour

Source operating time	71 hours
Duration of NOx lb/mmBtu 1-Hr excess emissions	1 hour
Source operating time with excess emissions	1.4%

Unit P11 Excess Emissions

Gateway Generating Facility

Excess Emissions for 9/9/2025 thru 9/11/2025: NOx lb/mmBtu 1-Hr

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
NOx lb/mmBtu 1-Hr	9/11/2025 9:00 AM	9:59 AM	1 hour	0.0097	0.0097	0.0097	0.0090	*Not specified*	
Total duration			1 hour						

Gateway Generating Station

Antioch, CA

Cedar 1 Minute Data - UNIT P11

September 11, 2025 - Hour 8

Minute	60-NOx ppm 1-Min	NOx ppm @15% O2 1-Min	60-NOx lb/mmBtu 1-Min	NOx lb/hr 1-Min Avg	CO ppm @15% O2 1 Min	CO lb/hr 1-Min Avg	60-O2% 1-Min	Stack Flow kdscf/hr 1-Min	CT Gas Flow hscf/hr 1-Min	DB Gas Flow kscf/hr 1-Min	DB Gas Flow hscf/hr Crnt-Hr
08:00	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:01	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:02	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:03	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:04	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:05	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:06	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:07	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:08	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:09	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:10	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:11	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:12	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:13	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:14	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:15	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:16	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:17	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**	**Down**
08:18	0.00	**Inval**	**Inval**	**Inval**	**Inval**	**Inval**	20.41	**Inval**	1229.6	**Down**	**Down**
08:19	0.07	0.16	0.0006	0.10	1.17	0.44	18.32	#######	1617.8	**Down**	**Down**
08:20	0.46	0.72	0.0026	0.54	1.73	0.82	17.12	#######	1989.9	**Down**	**Down**
08:21	3.20	4.82	0.0177	4.56	1.60	0.93	16.98	#######	2451.0	**Down**	**Down**
08:22	9.13	13.64	0.0501	16.69	1.45	1.07	16.95	#######	3171.0	**Down**	**Down**
08:23	16.26	23.34	0.0858	40.68	1.35	1.42	16.79	#######	4513.8	**Down**	**Down**
08:24	22.88	35.81	0.1316	71.24	14.77	17.92	17.13	#######	5152.8	**Down**	**Down**
08:25	27.83	45.61	0.1677	92.91	20.32	25.21	17.30	#######	5274.2	**Down**	**Down**
08:26	34.55	51.09	0.1878	104.21	14.43	17.92	16.91	#######	5282.2	**Down**	**Down**
08:27	34.67	51.14	0.1880	104.64	13.25	16.48	16.90	#######	5298.4	**Down**	**Down**

Minute	60-NOx ppm 1-Min	NOx ppm @15% O2 1-Min	60-NOx lb/mmBtu 1-Min	NOx lb/hr 1-Min Avg	CO ppm @15% O2 1 Min	CO lb/hr 1-Min Avg	60-O2% 1-Min	Stack Flow kdscf/hr 1-Min	CT Gas Flow hscf/hr 1-Min	DB Gas Flow kscf/hr 1-Min	DB Gas Flow hscf/hr Crnt-Hr
08:28	33.29	49.10	0.1805	98.93	12.66	15.51	16.90	#######	5217.5	**Down**	**Down**
08:29	33.23	48.89	0.1797	98.95	12.36	15.25	16.89	#######	5241.8	**Down**	**Down**
08:30	33.96	50.09	0.1841	101.53	11.99	14.78	16.90	#######	5249.9	**Down**	**Down**
08:31	34.49	50.62	0.1861	102.79	11.55	14.25	16.88	#######	5258.0	**Down**	**Down**
08:32	35.35	51.63	0.1898	104.03	11.14	13.65	16.86	#######	5217.5	**Down**	**Down**
08:33	34.57	51.12	0.1879	116.72	11.40	15.84	16.91	#######	5913.2	**Down**	**Down**
08:34	31.10	43.28	0.1591	102.07	31.35	44.97	16.66	#######	6107.3	**Down**	**Down**
08:35	29.61	37.17	0.1366	86.59	35.51	50.40	16.20	#######	6034.5	**Down**	**Down**
08:36	29.84	37.78	0.1389	90.41	38.49	56.04	16.24	#######	6196.3	**Down**	**Down**
08:37	31.62	39.53	0.1453	95.57	35.11	51.70	16.18	#######	6261.0	**Down**	**Down**
08:38	30.90	38.87	0.1429	92.88	37.97	55.25	16.21	#######	6188.2	**Down**	**Down**
08:39	31.33	39.41	0.1449	93.56	38.07	55.01	16.21	#######	6147.8	**Down**	**Down**
08:40	31.64	39.89	0.1466	94.66	38.48	55.60	16.22	#######	6147.8	**Down**	**Down**
08:41	31.98	40.32	0.1482	95.32	38.39	55.25	16.22	#######	6123.5	**Down**	**Down**
08:42	32.15	40.70	0.1496	95.95	39.10	56.12	16.24	#######	6107.3	**Down**	**Down**
08:43	32.67	41.36	0.1520	97.10	38.57	55.13	16.24	#######	6083.1	**Down**	**Down**
08:44	32.50	41.15	0.1513	96.40	39.25	55.94	16.24	#######	6066.9	**Down**	**Down**
08:45	32.37	41.25	0.1516	96.33	39.80	56.55	16.27	#######	6050.7	**Down**	**Down**
08:46	32.47	41.38	0.1521	96.90	39.71	56.57	16.27	#######	6066.9	**Down**	**Down**
08:47	32.65	41.70	0.1533	97.27	39.73	56.41	16.28	#######	6042.6	**Down**	**Down**
08:48	32.83	41.93	0.1541	97.91	39.61	56.30	16.28	#######	6050.7	**Down**	**Down**
08:49	32.83	41.93	0.1541	98.17	39.67	56.57	16.28	#######	6066.9	**Down**	**Down**
08:50	33.08	42.15	0.1550	98.48	39.07	55.53	16.27	#######	6050.7	**Down**	**Down**
08:51	32.99	42.04	0.1545	98.30	39.17	55.73	16.27	#######	6058.8	**Down**	**Down**
08:52	33.12	42.20	0.1551	98.42	38.88	55.20	16.27	#######	6042.6	**Down**	**Down**
08:53	33.28	42.41	0.1559	99.85	38.79	55.59	16.27	#######	6099.3	**Down**	**Down**
08:54	33.53	42.64	0.1567	100.50	38.12	54.71	16.26	#######	6107.3	**Down**	**Down**
08:55	34.01	42.88	0.1576	101.21	36.33	52.21	16.22	#######	6115.4	**Down**	**Down**
08:56	34.28	43.12	0.1585	101.92	35.93	51.70	16.21	#######	6123.5	**Down**	**Down**
08:57	34.28	43.12	0.1585	102.04	35.94	51.76	16.21	#######	6131.6	**Down**	**Down**
08:58	34.47	43.27	0.1591	102.69	35.53	51.31	16.20	#######	6147.8	**Down**	**Down**
08:59	34.41	43.10	0.1584	110.98	35.66	55.91	16.19	#######	6673.6	**Down**	**Down**

Gateway Generating Station

Antioch, CA

Cedar 1 Minute Data - UNIT P11

September 11, 2025 - Hour 9

Minute	60-NOx ppm 1-Min	NOx ppm @15% O2 1-Min	60-NOx lb/mmBtu 1-Min	NOx lb/hr 1-Min Avg	CO ppm @15% O2 1 Min	CO lb/hr 1-Min Avg	60-O2% 1-Min	Stack Flow kdscf/hr 1-Min	CT Gas Flow hscf/hr 1-Min	DB Gas Flow kscf/hr 1-Min	DB Gas Flow hscf/hr Crnt-Hr
09:00	28.64	34.63	0.1273	101.19	29.45	52.39	16.02	#######	7571.5	**Down**	**Down**
09:01	20.74	22.05	0.0810	70.37	22.23	43.18	15.35	#######	8275.3	**Down**	**Down**
09:02	13.76	13.49	0.0496	46.37	17.55	36.74	14.88	#######	8906.2	**Down**	**Down**
09:03	9.79	9.41	0.0346	34.85	15.74	35.45	14.76	#######	9593.8	**Down**	**Down**
09:04	9.96	9.34	0.0343	36.67	9.68	23.20	14.61	#######	10184.3	**Down**	**Down**
09:05	3.95	3.61	0.0133	15.10	2.67	6.81	14.45	#######	10815.3	**Down**	**Down**
09:06	3.44	3.08	0.0113	13.52	0.99	2.63	14.31	#######	11397.7	**Down**	**Down**
09:07	3.17	2.78	0.0102	12.89	0.34	1.01	14.18	#######	12036.7	**Down**	**Down**
09:08	2.86	2.46	0.0090	11.93	0.06	0.13	14.04	#######	12627.2	**Down**	**Down**
09:09	2.49	2.10	0.0077	10.42	0.00	0.00	13.91	#######	12886.1	**Down**	**Down**
09:10	2.13	1.79	0.0066	8.92	0.00	0.00	13.86	#######	12878.0	**Down**	**Down**
09:11	1.90	1.59	0.0059	7.98	0.00	0.00	13.87	#######	12878.0	**Down**	**Down**
09:12	1.75	1.47	0.0054	7.31	0.00	0.00	13.87	#######	12902.3	**Down**	**Down**
09:13	1.67	1.40	0.0052	6.94	0.00	0.00	13.87	#######	12716.2	**Down**	**Down**
09:14	1.57	1.32	0.0049	6.21	0.00	0.00	13.89	#######	12077.2	**Down**	**Down**
09:15	1.45	1.24	0.0045	5.41	0.01	0.00	13.98	#######	11462.4	**Down**	**Down**
09:16	1.37	1.19	0.0044	5.07	0.23	0.58	14.11	#######	10969.0	**Down**	**Down**
09:17	1.34	1.19	0.0044	5.08	0.70	1.85	14.24	#######	11009.4	**Down**	**Down**
09:18	1.44	1.28	0.0047	5.49	0.76	1.99	14.27	#######	11130.7	**Down**	**Down**
09:19	1.53	1.35	0.0050	5.91	0.60	1.54	14.23	#######	11252.1	**Down**	**Down**
09:20	1.59	1.40	0.0052	6.22	0.50	1.32	14.21	#######	11397.7	**Down**	**Down**
09:21	1.63	1.43	0.0053	6.37	0.35	0.96	14.18	#######	11454.3	**Down**	**Down**
09:22	1.62	1.42	0.0052	6.33	0.31	0.85	14.17	#######	11591.8	**Down**	**Down**
09:23	1.65	1.44	0.0053	6.46	0.24	0.61	14.14	#######	11616.1	**Down**	**Down**
09:24	1.63	1.42	0.0052	6.33	0.21	0.61	14.13	#######	11599.9	**Down**	**Down**
09:25	1.59	1.39	0.0051	6.17	0.21	0.61	14.13	#######	11535.2	**Down**	**Down**
09:26	1.56	1.36	0.0050	5.96	0.25	0.72	14.14	#######	11357.2	**Down**	**Down**
09:27	1.52	1.33	0.0049	5.84	0.38	0.95	14.17	#######	11349.1	**Down**	**Down**

Minute	60-NOx ppm 1-Min	NOx ppm @15% O2 1-Min	60-NOx lb/mmBtu 1-Min	NOx lb/hr 1-Min Avg	CO ppm @15% O2 1 Min	CO lb/hr 1-Min Avg	60-O2% 1-Min	Stack Flow kdscf/hr 1-Min	CT Gas Flow hscf/hr 1-Min	DB Gas Flow kscf/hr 1-Min	DB Gas Flow hscf/hr Crnt-Hr
09:28	1.52	1.34	0.0049	5.80	0.39	1.06	14.19	#######	11268.3	**Down**	**Down**
09:29	1.51	1.33	0.0049	5.78	0.46	1.18	14.20	#######	11244.0	**Down**	**Down**
09:30	1.52	1.34	0.0049	5.78	0.53	1.42	14.22	#######	11244.0	**Down**	**Down**
09:31	1.54	1.36	0.0050	5.93	0.49	1.30	14.22	#######	11300.6	**Down**	**Down**
09:32	1.55	1.37	0.0050	5.94	0.47	1.19	14.21	#######	11316.8	**Down**	**Down**
09:33	1.57	1.38	0.0051	6.07	0.43	1.19	14.20	#######	11341.1	**Down**	**Down**
09:34	1.58	1.39	0.0051	6.09	0.42	1.07	14.20	#######	11373.4	**Down**	**Down**
09:35	1.59	1.40	0.0051	6.08	0.40	1.07	14.19	#######	11357.2	**Down**	**Down**
09:36	1.57	1.38	0.0051	6.10	0.39	1.08	14.20	#######	11389.6	**Down**	**Down**
09:37	1.58	1.39	0.0051	6.10	0.37	0.96	14.19	#######	11397.7	**Down**	**Down**
09:38	1.58	1.39	0.0051	6.09	0.39	1.08	14.19	#######	11381.5	**Down**	**Down**
09:39	1.58	1.39	0.0051	6.10	0.38	0.96	14.19	#######	11389.6	**Down**	**Down**
09:40	1.59	1.40	0.0051	6.11	0.40	1.08	14.19	#######	11405.8	**Down**	**Down**
09:41	1.60	1.41	0.0052	6.21	0.40	1.07	14.19	#######	11373.4	**Down**	**Down**
09:42	1.60	1.41	0.0052	6.20	0.40	1.07	14.19	#######	11365.3	**Down**	**Down**
09:43	1.60	1.41	0.0052	6.19	0.39	1.07	14.20	#######	11341.1	**Down**	**Down**
09:44	1.60	1.41	0.0052	6.19	0.44	1.19	14.20	#######	11349.1	**Down**	**Down**
09:45	1.61	1.42	0.0052	6.19	0.43	1.19	14.20	#######	11341.1	**Down**	**Down**
09:46	1.61	1.42	0.0052	6.18	0.43	1.19	14.20	#######	11316.8	**Down**	**Down**
09:47	1.62	1.43	0.0052	6.18	0.44	1.19	14.20	#######	11316.8	**Down**	**Down**
09:48	1.62	1.43	0.0052	6.18	0.46	1.19	14.20	#######	11316.8	**Down**	**Down**
09:49	1.63	1.44	0.0053	6.28	0.47	1.19	14.21	#######	11292.5	**Down**	**Down**
09:50	1.64	1.45	0.0053	6.30	0.49	1.31	14.21	#######	11333.0	**Down**	**Down**
09:51	1.65	1.46	0.0053	6.29	0.47	1.19	14.21	#######	11316.8	**Down**	**Down**
09:52	1.65	1.46	0.0053	6.31	0.47	1.19	14.21	#######	11341.1	**Down**	**Down**
09:53	1.66	1.46	0.0054	6.42	0.46	1.19	14.21	#######	11324.9	**Down**	**Down**
09:54	1.66	1.46	0.0054	6.41	0.47	1.19	14.21	#######	11316.8	**Down**	**Down**
09:55	1.66	1.46	0.0054	6.40	0.47	1.19	14.21	#######	11300.6	**Down**	**Down**
09:56	1.67	1.48	0.0054	6.42	0.48	1.31	14.22	#######	11324.9	**Down**	**Down**
09:57	1.68	1.48	0.0055	6.53	0.49	1.31	14.22	#######	11316.8	**Down**	**Down**
09:58	1.69	1.49	0.0055	6.54	0.48	1.31	14.21	#######	11333.0	**Down**	**Down**
09:59	1.69	1.49	0.0055	6.49	0.46	1.18	14.21	#######	11244.0	**Down**	**Down**

Gateway Generating Station

Antioch, CA

Cedar 1 Minute Data - UNIT P11

September 11, 2025 - Hour 10

Minute	60-NOx ppm 1-Min	NOx ppm @15% O2 1-Min	60-NOx lb/mmBtu 1-Min	NOx lb/hr 1-Min Avg	CO ppm @15% O2 1 Min	CO lb/hr 1-Min Avg	60-O2% 1-Min	Stack Flow kdscf/hr 1-Min	CT Gas Flow hscf/hr 1-Min	DB Gas Flow kscf/hr 1-Min	DB Gas Flow hscf/hr Crnt-Hr
10:00	1.67	1.48	0.0054	6.41	0.54	1.42	14.23	#######	11308.7	**Down**	**Down**
10:01	1.69	1.49	0.0055	6.49	0.49	1.30	14.21	#######	11235.9	**Down**	**Down**
10:02	1.68	1.49	0.0055	6.50	0.54	1.42	14.23	#######	11268.3	**Down**	**Down**
10:03	1.70	1.50	0.0055	6.50	0.53	1.42	14.23	#######	11268.3	**Down**	**Down**
10:04	1.70	1.50	0.0055	6.52	0.53	1.42	14.23	#######	11292.5	**Down**	**Down**
10:05	1.71	1.51	0.0056	6.62	0.51	1.30	14.22	#######	11260.2	**Down**	**Down**
10:06	1.70	1.50	0.0055	6.52	0.54	1.42	14.22	#######	11300.6	**Down**	**Down**
10:07	1.72	1.52	0.0056	6.63	0.54	1.42	14.22	#######	11276.3	**Down**	**Down**
10:08	1.71	1.51	0.0056	6.64	0.55	1.42	14.22	#######	11300.6	**Down**	**Down**
10:09	1.72	1.52	0.0056	6.64	0.54	1.42	14.22	#######	11292.5	**Down**	**Down**
10:10	1.72	1.52	0.0056	6.65	0.53	1.42	14.22	#######	11308.7	**Down**	**Down**
10:11	1.72	1.52	0.0056	6.62	0.49	1.30	14.21	#######	11260.2	**Down**	**Down**
10:12	1.69	1.49	0.0055	6.51	0.57	1.54	14.22	#######	11276.3	**Down**	**Down**
10:13	1.71	1.51	0.0056	6.63	0.56	1.42	14.22	#######	11276.3	**Down**	**Down**
10:14	1.72	1.52	0.0056	6.64	0.55	1.42	14.22	#######	11292.5	**Down**	**Down**
10:15	1.71	1.51	0.0056	6.62	0.55	1.42	14.22	#######	11268.3	**Down**	**Down**
10:16	1.70	1.50	0.0055	6.50	0.55	1.42	14.22	#######	11260.2	**Down**	**Down**
10:17	1.71	1.51	0.0056	6.62	0.53	1.42	14.23	#######	11268.3	**Down**	**Down**
10:18	1.71	1.51	0.0056	6.62	0.53	1.42	14.22	#######	11268.3	**Down**	**Down**
10:19	1.70	1.50	0.0055	6.49	0.54	1.42	14.22	#######	11244.0	**Down**	**Down**
10:20	1.70	1.50	0.0055	6.46	0.57	1.53	14.23	#######	11187.4	**Down**	**Down**
10:21	1.70	1.51	0.0055	6.44	0.62	1.64	14.24	#######	11163.1	**Down**	**Down**
10:22	1.69	1.50	0.0055	6.45	0.67	1.76	14.24	#######	11163.1	**Down**	**Down**
10:23	1.71	1.52	0.0056	6.56	0.67	1.76	14.25	#######	11155.0	**Down**	**Down**
10:24	1.73	1.53	0.0056	6.57	0.66	1.76	14.25	#######	11171.2	**Down**	**Down**
10:25	1.74	1.54	0.0057	6.68	0.63	1.64	14.25	#######	11163.1	**Down**	**Down**
10:26	1.72	1.53	0.0056	6.56	0.65	1.64	14.25	#######	11163.1	**Down**	**Down**
10:27	1.73	1.53	0.0056	7.13	0.61	1.78	14.25	#######	12133.8	**Down**	**Down**

Minute	60-NOx ppm 1-Min	NOx ppm @15% O2 1-Min	60-NOx lb/mmBtu 1-Min	NOx lb/hr 1-Min Avg	CO ppm @15% O2 1 Min	CO lb/hr 1-Min Avg	60-O2% 1-Min	Stack Flow kdscf/hr 1-Min	CT Gas Flow hscf/hr 1-Min	DB Gas Flow kscf/hr 1-Min	DB Gas Flow hscf/hr Crnt-Hr
10:28	1.94	1.69	0.0062	9.25	0.21	0.75	14.13	#######	14204.6	**Down**	**Down**
10:29	2.02	1.67	0.0062	10.47	0.00	0.00	13.78	#######	16089.4	**Down**	**Down**
10:30	1.94	1.59	0.0059	9.83	0.00	0.00	13.71	#######	15871.0	**Down**	**Down**
10:31	1.72	1.44	0.0053	7.64	0.00	0.00	13.86	#######	13727.4	**Down**	**Down**
10:32	1.40	1.17	0.0043	5.42	0.00	0.00	13.87	#######	11996.3	**Down**	**Down**
10:33	1.34	1.15	0.0042	5.52	0.03	0.13	14.04	#######	12514.0	**Down**	**Down**
10:34	1.61	1.38	0.0051	7.09	0.00	0.00	14.00	#######	13233.9	**Down**	**Down**
10:35	1.72	1.44	0.0053	7.70	0.00	0.00	13.87	#######	13832.5	**Down**	**Down**
10:36	1.72	1.43	0.0053	8.08	0.00	0.00	13.80	#######	14520.1	**Down**	**Down**
10:37	1.60	1.32	0.0048	7.64	0.00	0.00	13.74	#######	15167.3	**Down**	**Down**
10:38	1.64	1.35	0.0050	8.37	0.00	0.00	13.74	#######	15935.7	**Down**	**Down**
10:39	1.90	1.57	0.0058	10.03	0.00	0.00	13.74	#######	16469.6	**Down**	**Down**
10:40	2.07	1.72	0.0063	10.89	0.00	0.00	13.78	#######	16461.5	**Down**	**Down**
10:41	2.06	1.72	0.0063	10.90	0.00	0.00	13.82	#######	16477.7	**Down**	**Down**
10:42	2.01	1.67	0.0062	10.74	0.00	0.00	13.82	#######	16493.9	**Down**	**Down**
10:43	2.00	1.67	0.0061	10.57	0.00	0.00	13.82	#######	16502.0	**Down**	**Down**
10:44	1.99	1.66	0.0061	10.56	0.00	0.00	13.82	#######	16493.9	**Down**	**Down**
10:45	1.97	1.64	0.0060	10.38	0.00	0.00	13.83	#######	16469.6	**Down**	**Down**
10:46	1.96	1.64	0.0060	10.36	0.00	0.00	13.83	#######	16437.3	**Down**	**Down**
10:47	1.97	1.64	0.0060	10.36	0.00	0.00	13.83	#######	16437.3	**Down**	**Down**
10:48	1.98	1.65	0.0061	10.53	0.00	0.00	13.83	#######	16445.3	**Down**	**Down**
10:49	1.97	1.64	0.0060	10.36	0.00	0.00	13.83	#######	16445.3	**Down**	**Down**
10:50	1.97	1.64	0.0060	10.36	0.00	0.00	13.83	#######	16445.3	**Down**	**Down**
10:51	1.94	1.62	0.0060	10.35	0.00	0.00	13.83	#######	16421.1	**Down**	**Down**
10:52	1.92	1.60	0.0059	10.17	0.00	0.00	13.83	#######	16413.0	**Down**	**Down**
10:53	1.92	1.60	0.0059	10.18	0.00	0.00	13.83	#######	16421.1	**Down**	**Down**
10:54	1.91	1.59	0.0059	10.17	0.00	0.00	13.83	#######	16421.1	**Down**	**Down**
10:55	1.89	1.58	0.0058	10.01	0.00	0.00	13.83	#######	16437.3	**Down**	**Down**
10:56	1.87	1.56	0.0057	9.84	0.00	0.00	13.82	#######	16437.3	**Down**	**Down**
10:57	1.86	1.55	0.0057	9.85	0.00	0.00	13.83	#######	16453.4	**Down**	**Down**
10:58	1.83	1.52	0.0056	9.67	0.00	0.00	13.82	#######	16445.3	**Down**	**Down**
10:59	1.82	1.52	0.0056	9.67	0.00	0.00	13.83	#######	16445.3	**Down**	**Down**

Events

Gateway Generating Facility
for 9/10/2025 thru 9/11/2025

Limits

Unit P11: Cold Startup NOx lbs	452.0	Unit P11: Cold Startup POC lbs	109.0	Unit P12: CO lbs/Cold Startup	990.0
Unit P11: Hot Startup NOx lbs	189.0	Unit P11: Hot Startup POC lbs	26.0	Unit P12: CO lbs/Hot Startup	291.0
Unit P11: Shutdown NOx lbs	59.0	Unit P11: Shutdown POC lbs	6.0	Unit P12: CO lbs/Shutdown	73.0
Unit P11: CO lbs/Cold Startup	990.0	Unit P12: Cold Startup NOx lbs	452.0	Unit P12: Cold Startup POC lbs	109.0
Unit P11: CO lbs/Hot Startup	291.0	Unit P12: Hot Startup NOx lbs	189.0	Unit P12: Hot Startup POC lbs	26.0
Unit P11: CO lbs/Shutdown	73.0	Unit P12: Shutdown NOx lbs	59.0	Unit P12: Shutdown POC lbs	6.0

Parameter	Start	End	Duration	NOx lbs	CO lbs	POC lbs
Unit P11 Shutdown	9/11/2025 6:46 AM	6:46 AM	0:01	Down	Down	Down
Unit P12 Shutdown	9/11/2025 6:46 AM	6:46 AM	0:01	Down	Down	Down
Unit P11 Hot Startup	9/11/2025 8:18 AM	8:22 AM	0:05	0.37	0.06	0.00
Unit P12 Hot Startup	9/11/2025 12:26 PM	1:37 PM	1:12	67.99	38.30	0.69
Unit P11 Shutdown	9/11/2025 6:21 PM	6:26 PM	0:06	1.78	2.23	0.04
Unit P12 Shutdown	9/11/2025 6:21 PM	6:29 PM	0:09	2.11	2.69	0.04
Total (6 Events)			1:34	72.25	43.28	0.77